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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/562,419	06/02/2006	Hisato Kato	FEC 161NP	5466
23995 RABIN & Berd	7590 06/30/200 lo. PC	EXAMINER		
1101 14TH STREET, NW			HA, NGUYEN T	
SUITE 500 WASHINGTO	N, DC 20005		ART UNIT	PAPER NUMBER
			2831	
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			06/30/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/562,419	KATO ET AL.			
Office Action Summary	Examiner	Art Unit			
	NGUYEN T. HA	2831			
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period v - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
Responsive to communication(s) filed on <u>02 Jules</u> This action is FINAL . 2b)⊠ This 3)□ Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro				
Disposition of Claims					
4) ☐ Claim(s) 1-16 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-16 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or Application Papers 9) ☐ The specification is objected to by the Examine 10) ☐ The drawing(s) filed on is/are: a) ☐ access	vn from consideration. r election requirement. r.	≣xaminer.			
Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	ion is required if the drawing(s) is obj	ected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 1205, 0307.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	nte			

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-16 are rejected under 35 U.S.C. 102(b) as being anticipated by the Japanese Patent (JP 54-163,400).

Regarding claims 1-8, the submitted Japanese Patents (JP 54-163,400 A) discloses a dielectric material (see, international search) comprising:

- an organic insulating material,
- at least one of metal microparticles and an organic charge trapping material, in the organic insulating material,
- wherein the metal microparticles have a work function at an energy level between the ionization potential and the electron affinity of the organic insulating material (see, international search report).

Regarding claim 2, the Japanese patent in the above disclose the at least one of metal microparticles and the organic charge trapping material is dispersed in the organic insulating material (see, international search report).

Regarding claim 3, the Japanese patent in the above disclose the organic insulating is selected from the group consisting of 2-amino-4, 5-imidazole dicyanate, quinomethane compound (see, international search report).

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Regarding claim 4, the Japanese patent in the above disclose the organic insulating material is selected from the group consisting of 2-amino (see, international search report).

Regarding claims 5-6, the Japanese patent in the above disclose two electrodes sandwiching the layer (international search report).

Regarding claim 7, the submitted Japanese Patents (JP 54-163,400 A), or (JP-50-161543 A) or (JP 54-163399 A) discloses a dielectric material (see, international search) comprising: a method for producing a capacitor comprising the steps of:

- forming an electrode thin film,
- applying to the first electrode thin film a liquid mixture containing an organic insulating material, and at least one of metal microparticles and an organic charge trapping material,
- after the applying step, drying the mixture to form a dried film coating the first electrode thin film, and
- forming second electrode thin film on the dried film (see, international search report).

Regarding claim 8, the submitted Japanese Patents (JP 54-163,400 A), or (JP-50-161543 A) or (JP 54-163399 A) discloses a dielectric material (see, international search) comprising: a method for producing a capacitor comprising the steps of:

forming first electrode thin film,

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codepositing an organic insulating material, and at least one of metal
microparticles and an organic charge trapping material, on the formed first
electrode thin film, and forming a second electrode thin film on the
codeposited film (see, international search report).

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Regarding claim 9, the Japanese patent in the above disclose a layer of the at least one of metal microparticles and/or organic charge trapping material is sandwiching between layers of the organic insulating material (see, international search report).

Regarding claim 10, the submitted Japanese Patents (JP 54-163,400 A), or (JP-50-161543 A) or (JP 54-163399 A) discloses a dielectric material (see, international search) comprising: a dielectric material comprising:

- an organic insulating material,
- at least one of metal microparticles and an organic charge trapping
 material, in the organic insulating material, and
- wherein the at least one of metal microparticles or organic charge trapping material has an ionization potential and an electron affinity at an energy level between the ionization potential and the electron affinity of the organic insulating material (see, international search report).

Regarding claim 11, the Japanese patent in the above disclose a layer of the at least one of metal microparticles and/or organic charge trapping material is sandwiching between layers of the organic insulating material (see, international search report).

Regarding claim 12, the Japanese patent in the above disclose the at least one of metal microparticles and organic charge trapping material is dispersed in the organic insulating material (see international search report).

Regarding claim 13, the Japanese patent in the above disclose the organic insulating is selected from the group consisting of 2-amino-4, 5-imidazole dicyanate, quinomethane compound (see, international search report).

Regarding claim 14, the Japanese patent in the above disclose the organic insulating material is selected from the group consisting of 2-amino (see, international search report).

Regarding claim 15, the Japanese patent in the above disclose two electrodes sandwiching the layer, and the layer of an organic insulating material sandwiching the dielectric material, and electrodes sandwiching the layers (see, international search report).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to NGUYEN T. HA whose telephone number is (571)272-1974. The examiner can normally be reached on Monday-Friday from 8:30AM to 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Diego F. Gutierrez can be reached on 571-272-2245. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Nguyen T Ha/ Primary Examiner, Art Unit 2831